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Serial No. 10/749,827)

Entitled: Electrodynamic profiling of genomic response in the cell

Commissioner for Patents
U.S. Patent and Trademark Office
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Alexandria, VA 22313-1450

RESPONSE TO A RESTRICTION REQUIREMENT

Dear Examiner:

In response to the Restriction Requirement mailed October 04 2006, Applicant elects the invention of Group I. This election is made with out traverse.

In response to the objection made by the Examiner, the Applicant preliminarily amends the claims as follows.

Claim 7. (Amended herein) The method of claims 2, 3, 4, 5, ~~and~~ or 6 for any electronic or magnetic fields or potentials in mapping, evaluating and using electric and magnetic field recording and charting active of cells. a. imagining of cells or molecules interaction though chemical, electronic, physical means.

Claim 36. (Amended herein) The method of claim 34 ~~and~~ or 35 physical electronic structure combining claim 32 a. using and creating virtual and actual structures of DNA and those observable structures to use exact correlation between them. b. directing engineering application of this electromagnetic mechanism c. making integrated circuits using DNA molecules as a support structure with methods also for making DNA based transistors, capacitors, inductors, conductors, relays diodes and battery design.

Claim 38. (Amended herein) The method of claim 34, 37 in ~~defming and~~ defining or using the structures interactions as liquid crystal. a. defining the liquid crystal structure of DNA confirmation b. evaluating electronic, magnetic and physical confirmations c. showing controls regulated by DNA and nuclear structure transitions as electrical and or magnetic activity d. using palindromes of DNA sequences genomic function explain bidirectionality of current or magnetic flux or non functionality of charge to mass ratio forces. e. measuring and using asymmetries of ionic flux to explain symmetry of DNAIRNA replication or transcription as a response to physiologic change is regulated via nuclear architectures DNA f. explaining understanding DNA during replication/transcription by a balance of charge, DNA/RNAs the symmetry of energy is a magnetic force

Claim 40. (Amended herein) The method of claim 36 to predicting, evaluating electrical activity chemical intracellular cytosolic induction of ionic flux, ~~and~~ or change in conduction of plasma membrane using chemical dyes or imagining devices showing electronic activity or electron or photon transfer. a. the method of claim of 34 staining ~~and~~ or sequential fluorescence analysis of the dyes bound to specific base regions and intercalating sites on DNA fluorescence intensity of each dye is proportional to the relative number of specific base regions or intercalating sites a. active genomic regions b. groups of genes c. single gene d. DNA/DNA replication (active or inactive) e. DNA/RNA--snRNa, m-RNA, t-RNA f. DNA/Protein g. DNA/Amino acid h. DNA/DNA polymerase i. DNA/RNA polymerase j. DNA/ion k. Ion/protein l. Protein/protein m. Gene/protein n. Protein/RNA o. RNA/protein p. RNA/ion q. RNA/Amino acid r. RNA/DNA s. RNA/RNA t. Amino acids

Claim 44. (Amended herein) The method of claim 40 in using a cell as a model or in actuality of conductance, fluxing or storing charge as a capacitor of cellular DNA and interaction in design or usage in magnetoelastic ~~and~~ or magnetostrictive device.

The amendments to the claims find support throughout the application as originally filed. It is submitted that no new matter has been added.

In view of the following amendment, the Applicant wishes to include Claim 7, as amended, into group I.

Applicant reserves the right to pursue the subject matter of all other amended claims and non-elected groups in continuing or divisional applications.

Applicant believes no additional fees are due with this filing.

It is submitted that no new matter has been added. If the Examiner believes that any further discussion of this communication would be helpful, she is encouraged to contact the undersigned by telephone.

Respectfully submitted,

Date 4 Jan 07

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